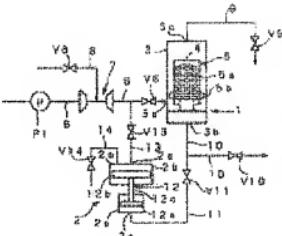


FILTER CLEANING METHOD

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Abstract of JP 10235168 (A)

PROBLEM TO BE SOLVED: To provide the high cleaning effect without using power by pressurizing a gas-liquid mixed fluid prepared by mixing a stock solution with air and feeding the same into an outer container and carrying out the bubbling process for vibrating a filter medium for a filter in the case of clearing the filter having the filter medium used for a water purifier or the like. **SOLUTION:** In the case of clearing a hollow fiber membrane 4, the back wash process is carried out first. A filtrate is introduced into a cylinder 2a and a double acting piston 12 is moved to the side of a cylinder 2b, and the filtrate in the hydraulic regenerating state is stored in the cylinder 2a. Then a part of a stock solution in an outer container 3 is drained out of a pipeline 9, and the filtrate in the cylinder 2a is backflowed into a hollow fiber membrane 4 of the filtrate 1, and an effluent containing released deposits are discharged out of the pipeline 9. Then, air is fed from an ejector 7 in the bubbling process, and a mixed fluid with stock solution is prepared and drained out of the pipeline 9. At that time, the hollow fiber membrane 4 is vibrated by air contained in the fluid in the process in which the mixed fluid is flowed up in a cylindrical cover 5 to accelerate the release of deposits.



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